Special Core Analysis with Modern Logs - Petrophysics Training & Courses

This class does more than simply calibrate your density log together with center grain density and porosity. It begins with traditional core analysis laboratory processes and the crucial core-log integration techniques essential to produce the compatible data collections necessary for many special core analysis (SCAL) integration. It then explains laboratory SCAL processes for dynamic and static geo-models logically, in summary, incorporating SCAL results with strong, contemporary logs to demonstrate how crucial reservoir parameters are much better measured with SCAL integration. These tests are strong, over-determined and grounded in regular and special core analysis. Integration processes are explained concerning the question being requested, the bodily basis of this core-log information used and the measures required to quantitatively incorporate the appropriate SCAL together with all the logs and geo-models. Like the author's other"Integrated **Petrophysics Training**" classes a logical, orderly structure is followed that enriches comprehension of this place where, why and how modern core-log integration.

Lithology, Porosity, Saturation Height, Absolute and Relative Permeability, Residual Oil Saturation, Natural fractures, FWL, TOC and mechanical components for both brittleness and fracturing are addressed, together with the applicable special heart and log information identified, clarified and then closely incorporated within a logical frame utilizing Interactive Petrophysics computer software.

Lectures are interleaved with micro-practicals, videos, PetroDB-WEB demos, course sensible's, course discussions and timely recaps to accomplish a lively and engaging coaching session.

This class explains how to carry out complete core-log integration on heritage information and arms with a transparent comprehension of what is and what's not essential to get in your individual reservoir, saving

precious time and money through drilling, development and completion.

Core-Log integration has become the central subject of the writer's Imperial College Ph.D. and more than 25 decades of consulting, studying and lecturing on core-log integration. It's also the central intention of this PetroDB-WEB application, which extends crucial core-log integration into SCAL and modern logging gear.

Coaching which can be taken back to the workplace and utilized instantly

Petrophysicists, reservoir engineers, center analysts, geologists and engineers that construct or use dynamic or static reservoir models. Anyone using a year's encounter with core-log integration. Bring your notebook with MS Excel.

You Will Learn

-- The best way to get conventional and wireline center information -- from subway systems to lab

-- Special Core Analysis (SCAL) foundation parameters laboratory apparatus and excuse

-- All Significant Special Core Analysis (SCAL) laboratory tests devices and excuse

-- Important Special Log dimensions clarified

-- The most Crucial methods of core-log integration

-- The best way to Discover the crucial data channels from contemporary logs that answer the questions your

staff is requesting

-- The queries core-log integration replies that log or core investigation Doesn't

-- Exactly what integration techniques to use to what particular core analysis data -- the best way to utilize your info

-- The best way to utilize legacy core information with the contemporary log information you have just obtained

-- The best way to utilize Reservoir Rock Types and PetroDB to gauge core values You Don't have

-- How to use Interactive Petrophysics applications to show how correctly Incorporated SCAL and Contemporary logs will Affect Your geo-model outcomes

Course Content

RRT with no heart.

Program of RRT through core-log integration

The engineer's standalone core established saturation height operate

The best way to match Pc info: Foil, J Function, Lambda, Skelt Harrison

Integrating core correction elevation works with logs: Resistivity, NMR, Porosity, Sigma, MDT

SCAL electric properties CEC, n and m: use, misuse and proper implementation

utilizing RCA, SCAL and contemporary logs to fix the very low resistivity cover problem

SCAL NMR laboratory tests: BFV, T2, T1 cutoffs, Qv experimental procedure and outcomes

Integration of SCAL NMR using logs, use, misuse and options compared

SCAL Relative Permeability evaluations: continuous unsteady state

Integration of SCAL rel. Perm information with log evaluation for kw, ko and kg. Fractional flow

Can your results agree with field monitoring? Things to do at the laboratory.